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ARRANGEMENT INTRODUCED INTO SCALE FOR WEIGHING PEOPLE

[Disposição introduzida em balança para pesagem de pessoas]

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The present Utility Model refers to an "arrangement introduced into a scale for weighing people," or more particularly, to electronic equipment for weighing people using the basic principle of applying a load cell, the constructive provision being directed more toward the structural parts, including the cases that configure the base (load cell) and panel display, in that these two assemblies were especially developed in conjunction with a support bar in such a way as to result in appreciable technical and practical advantages when compared to conventional models, among them, A) electronic viewer--this assembly is made up of two covers of injection-molded plastic material, the upper face of which accommodates the weight-display, which is strategically positioned in such a way that the weight can only be read by the person weighing himself or herself on the equipment, guaranteeing privacy and secrecy to the user; B) displays--occupy an ideal position for being seen and read by people of any stature (tall, short, thin, fat), /2* including children; C) the different upper and lower parts of the equipment include spaces reserved and especially adapted for placement of advertising; D) support bar--is a tubular profile that, in addition to serving as support for the electronic viewer, has its constructive configuration especially designed to provide true handrails to serve as natural support to users, so that they will not lose their balance in stepping up onto or down from the base of the equipment, and in such a way as to guarantee that heavier people, the elderly, pregnant women and/or others can use the equipment without discomfort.

These and other advantages, as well as the constructive and functional characteristics of the present utility model, will be better explained in the detailed description that follows, and in which numerical references will be made to each constructive detail, together with the attached drawings, although such figures are merely illustrative examples, lending particularity to a preferred manufactured type, and not thereby establishing any restrictions on color, size, or materials used in its production:

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* [Numbers in right margin indicate pagination of the original text.]

Figure 1 represents a perspective view of the assembly;

Figure 2 shows a front view; /3

Figure 3 illustrates a side view;

Figure 4 shows a perspective view of the base, detailing its constructive details;

Figure 5 illustrates a perspective view of the display case; and

Figures 6 and 7 are side views showing users of different statures positioned on the scale.

In accordance with these illustrations and their details, more particularly, Figures 1, 2 and 3, the present utility model patent, "arrangement introduced into scale for weighing people," is characterized by the fact of containing a structural part (1) obtained from a tubular piece bent into an inverted "U," the arms of which constitute support bars (2), which are equal and bent in the middle (3), from which point the lower section of said structure is perfectly vertical, its lower extremities being properly anchored and solidly fixed in the sides of a base (4), while the top of the structure slants toward the back, with slight narrowing, so that a case (5) with a flat surface and parallel (6) to the plane formed between the arms of the structure (1) fits perfectly between its side arms, while its lower face is rounded (7) and includes a space for /4 media (8).

With respect to Figure 4, base (4) is formed of a fiberglass cover and cast aluminum bottom, containing in its interior a power transformer and fuse holder, and fastened to the bottom, the on/off switch and power cable; furthermore, a load cell is located inside base (4) with a rigid support installed on it, and on this, two other rubber supports (9) are provided in ergonometric format similar to feet, so that a person can position himself or herself on these rubber supports and transmit his or her weight through his or her center of gravity to the load cell.

As Figure 5 illustrates, case (5) is formed by two opposed covers, preferably of injection-molded plastic material, in such a way that the interior of this assembly can house the electronic amplifier and